

Art Unit: ***

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Claims 1-87 (Canceled)

88. (Three times amended) An imaging agent which comprises a polypeptide labeled with an imageable marker, such polypeptide having an amino acid sequence which comprises at least one fifth of the amino acid sequence of the N-terminal fibrin binding domain of naturally-occurring fibronectin, and having the amino acid sequence gln-ala-gln-gln-ala-gln-gln at the N-terminus of the polypeptide, and wherein the polypeptide has a molecular weight less than 31kD.

89. (Amended) A method for imaging a fibrin-containing substance which comprises contacting the fibrin-containing substance with the imaging agent of claim 88 under conditions such that the imaging agent binds to fibrin in the fibrin-containing substance, and imaging the bound imaging agent.--

Claims 90-91 (Canceled)

Art Unit: ***

--92. (New) The method of claim 89, wherein the fibrin-containing substance is within blood vessels of a subject and wherein contacting is performed by administering the imaging agent contained in a suitable carrier to the subject under conditions permitting the imaging agent to enter the blood vessels of the subject.--

--93. (New) A method of claim 92, wherein the fibrin-containing substance is a thrombus.--

--94. (New) A method of claim 92, wherein the fibrin-containing substance is atherosclerotic plaque.--

--95. (New) An agent of claim 89, wherein the marker is a radioactive isotope, an element which is opaque to X-rays, or a paramagnetic ion.--

--96. (New) A method of claim 89, wherein the imaging is carried out using a gamma camera.